

flange 24 rests on a surface 62 of a tooling apparatus 64 while supporting rotor cup 22. Load 60 is pressed onto rotor cup 22 in a vertical direction 66. Annular flange 24 provides a smooth surface when load 60 is pressed onto rotor cup 22. Annular flange 24 has an increased surface area because of outwardly flared curved edge 46 (shown in Figure 2).

IN THE CLAIMS

Please cancel claims 1-4, 7, 12, and 13.

5. (once amended) A rotor cup assembly for an electric motor, said rotor cup assembly comprising a housing comprising a top, a bottom, a sidewall extending circumferentially from said top and having a first diameter, said top comprising an opening configured to receive a rotor shaft therethrough, said sidewall and said top defining a cavity, and an annular flange extending circumferentially from said sidewall for strengthening said sidewall, said sidewall having a first diameter, a second diameter, and a first thickness, said first diameter less than said second diameter, said annular flange configured to receive a plurality of weights to facilitate a desired level of rotor balance.

11. (once amended) An electric motor comprising a stator including a stator core having a winding thereon, a rotor positioned at least partially around said stator, a rotor shaft positioned at least partially within said rotor, and a rotor cup, said rotor shaft extending through said rotor cup, said rotor cup comprising:

a housing comprising a top, a bottom, a sidewall, and an annular flange, said top comprising an opening configured to receive said rotor shaft therethrough, said sidewall extending circumferentially from said top and having a first diameter, said annular flange extending circumferentially from said sidewall for strengthening said sidewall, said sidewall having a first diameter, a second diameter, and a first thickness, said first diameter less than said second diameter, said annular flange configured to receive a plurality of weights to facilitate a desired level of rotor balance.